

## CLAIMS:

1. A mobile device (200) comprising:
  - a display device (102) for displaying a number of display images of a sequence of display images, during a predetermined amount of time; and
  - an energy resource (116) for providing the display device (102) with energy,
- 5 characterized in that the mobile device (200) further comprises energy management means for estimating an amount of available energy of the energy resource and control means (114) for controlling the number of display images on basis of the amount of available energy.
2. A mobile device (200) as claimed in claim 1, characterized in that the mobile
- 10 device (200) comprises an image acquisition unit (106) for acquisition of a further number of input images during the predetermined amount of time, the display images being based on the input images.
3. A mobile device (200) as claimed in claim 2, characterized in that the control
- 15 means (114) are arranged to control the further number of input images, being acquired by the image acquisition unit (106), on basis of the amount of available energy.
4. A mobile device (200) as claimed in claim 2 or 3, characterized in that it
- comprises an interpolation unit (104) for computing the display images on basis of respective
- 20 input images.
5. A mobile device (200) as claimed in claim 4, characterized in that the control
- means (114) are arranged to control the ratio between the further number of the input images
- and the number of the display images, on basis of the amount of available energy.
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6. A mobile device (200) as claimed in claim 4, characterized in that the
- interpolation unit (104) is a temporal up-conversion unit.

7. A mobile device (200) as claimed in claim 4, characterized in that the mobile device (200) comprises user interface means to control the control means (114) to make a trade-off between control of the image acquisition unit (106) and the interpolation unit (104).
- 5 8. A mobile device (200) as claimed in claim 4, characterized in that the control means (114) are arranged to control the ratio between the further number of the input images and the number of the display images, on basis of a motion signal being derived from the input images.
- 10 9. A mobile device (200) as claimed as claimed in claim 1, characterized in comprising communication means for exchange of data with other devices.
10. A mobile device (200) as claimed as claimed in claim 9, characterized in that the data corresponds to input images on which the display images are based.